

TECHNICAL CHARACTERISTICS

1. General Characteristics

Dimension: 21.90L x 13.15W x 2.40H mm
 Weight: Approx. 0.75 g
 Mounting System: SMT Type (post optional)
 Durability: 10,000 cycles min.

2. Mechanical Characteristics

Insulation material: Thermoplastic, UL 94V-0

3. Electrical Characteristics

Number of contacts: 11 pins
 Current Rating: 100mA Max.
 Contact Resistance: 100 mΩ Max
 Insulation Resistance: 1000 MΩ Min.
 Withstanding Voltage: 500 V AC.

4. Environmental Characteristics

Operating Temperature: -25°C ~ +85°C
 Operating humidity: 10% ~ 95% RH
 Storage temperature: -40°C ~ +85°C
 Storage humidity: 10% ~ 95% RH

5. Pin Assignments

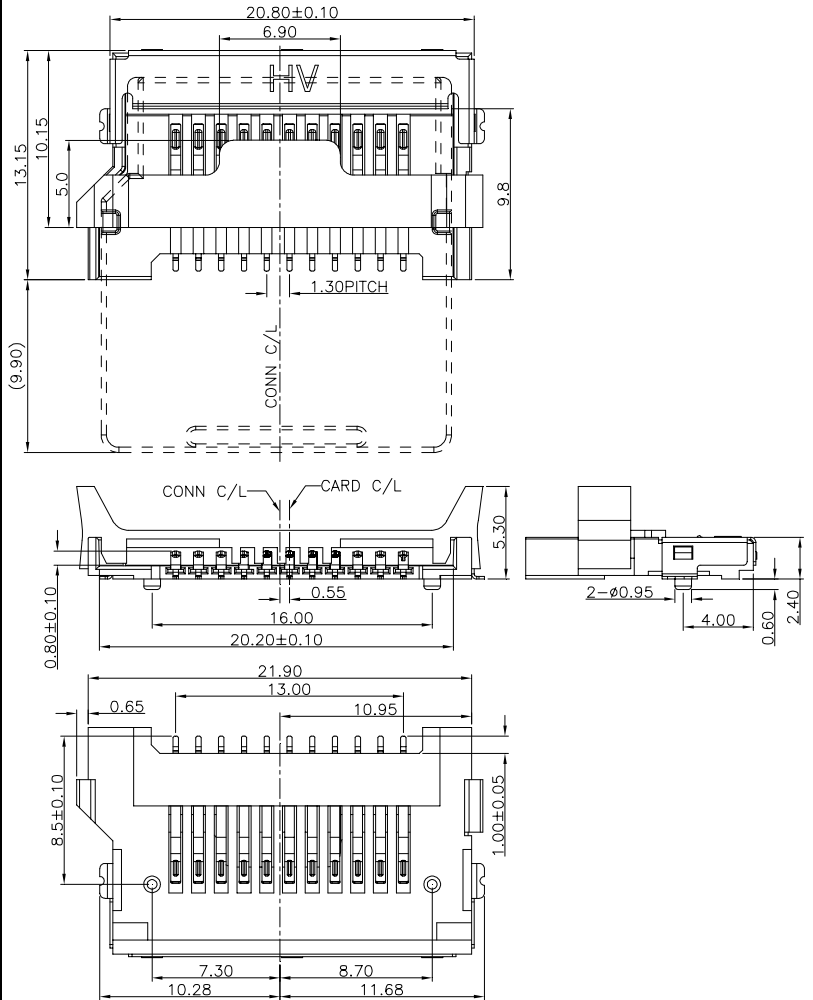
| Pin | SD Mode | |
|-----|---------|--------------------------------|
| | Name | Description |
| 1 | CD/DAT3 | Card Detect/ Data Line (Bit 3) |
| 2 | CMD | Command/Response |
| 3 | VSS | Supply voltage ground |
| 4 | VDD | Supply voltage |
| 5 | CLK | Clock |
| 6 | VSS | Supply voltage ground |
| 7 | DAT0 | Data Line (Bit 0) |
| 8 | DAT1 | Data Line (Bit 1) |
| 9 | DAT2 | Data Line (Bit 2) |
| 10 | NC | For Future Use |
| 11 | NC | For Future Use |

H&V MINI SD Card Connector

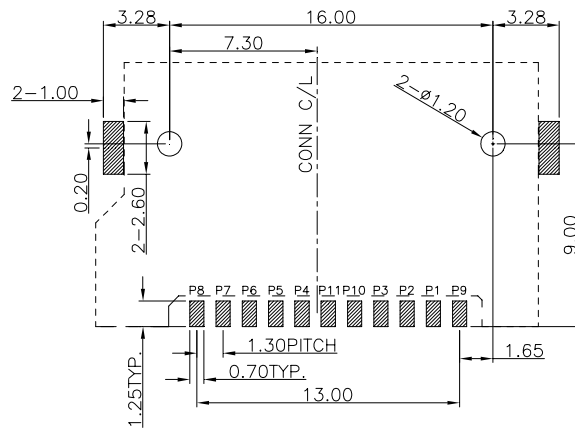
Model No.: MCA-S01 H2.4

Revision: 1.1

Date: AUG. 01, 2005



Unit: mm; Tolerances: ±0.15 mm
Mechanical outline dimension



Unit: mm; Tolerances: ±0.15 mm
Reference dimension for PCB layout